

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method ~~for coordinating charging information in a communication network having a transport layer network, an application layer network and a billing system, the method comprising:~~

~~— a user equipment initiating a first connection in said application layer network using a call control protocol and said user equipment initiating a second connection in said transportation layer network;~~

~~generating-creating a charging identification in a first network element in one of the-an application layer network of a communication network or the-a transport layer network of the communication network;~~

~~sending said charging identification from said first network element in said one-of-the application layer network or the transport layer network to a second network element in the other one of the application layer network or the transport layer network;~~

~~creating, in said first network element, call records for said-a first connection to user equipment via said application layer network in said first network element in said one-of-the application layer network or the transport layer network;~~

~~creating, in said second network element, call records for said-a second connection to said user equipment via said transport layer network in said second network element in said other one of the application layer network or the transport layer network;~~

~~including said charging identification in said call records of said first and second network elements for said first connection and in said call records for said second connection;~~

~~sending said call records from said first and second network elements for said first connection and said call records for said second connection to said-a billing system of the communication network; and~~

~~coordinating charging information in the communications network using said charging identification included in the call records of said first and second network elements.~~

2. (Currently Amended) The method of claim 1, ~~wherein further comprising:~~

adding, in said second network element, ~~adds~~ said charging identification to charging information which said second network element collects.

3. (Currently Amended) The method of claim 1, ~~wherein further comprising:~~  
sending, by said first network element, ~~sends~~ an address of the first network element together with said charging identification to said second network element.

4. (Currently Amended) The method of claim 3, wherein said second network element adds said address of said first network element to charging information which said second network element collects.

5. (Currently Amended) The method of claim 1, wherein said charging identification is sent from said first network element to said second network element via an interface between the transport layer network and said application layer network.

6. (Currently Amended) The method of claim 1, wherein said first network element is a Mobile Station (MS) and the method further comprises:  
providing, by said Mobile Station, ~~provides~~ the charging identification to both of the application layer network and the transport layer network.

7. (Canceled)

8. (Currently Amended) The method of claim 1, ~~wherein further comprising:~~  
sending, by said first network element, ~~sends~~ security information together with said charging identification to said second network element.

9. (Currently Amended) The method of claim 8, ~~wherein further comprising:~~  
verifying, by said second network element, ~~verifies~~ said charging identification against said security information.

10. (Currently Amended) The method of claim 1, ~~wherein further comprising:~~  
sending, by said second network element, ~~sends~~ said charging identification towards an endpoint of a communication.

11. (Currently Amended) The method of claim 10, ~~wherein further comprising:~~  
sending, by said second network element, ~~sends~~ security information together with said charging identification toward said endpoint of a communication.

12. (Currently Amended) The method of claim 10, ~~wherein further comprising:~~  
sending, by said second network element, ~~sends~~ an address of said first network element together with said charging identification to said endpoint of a communication.

13. (Currently Amended) The method of claim 12, ~~wherein further comprising:~~  
adding, in said second network element, ~~adds~~ an address of said first network element to charging data which said second network element collects.

14. (Previously Presented) The method of claim 1, wherein the first network element is in said transport layer network.

15. (Currently Amended) The method of claim 14, wherein said charging identification is ~~forwarded~~ sent to said second network element in said application layer network.

16. (Currently Amended) The method of claim 15, ~~wherein further comprising:~~  
forwarding said charging identification ~~is forwarded~~ to a third network element and a fourth network element in said transport layer network.

17. (Currently Amended) The method of claim 16, ~~wherein further comprising:~~  
associating said charging information with additional charging information ~~generated created by each of said second, third and~~ fourth network element ~~elements and said third network~~

~~element in said transport layer network and by the second network element in said application layer network is associated with said charging identification.~~

18. (Previously Presented) The method of claim 19, wherein said tuple includes a destination IP address and port information of a transaction specific media connection.

19. (Previously Presented) The method of claim 1, wherein the charging identification comprises a tuple or tuple pair.

20. (Canceled)

21. (Canceled)

22. (Currently Amended) The method of claim 1, ~~wherein further comprising:~~  
sending, by said first network element, said charging identification is sent from said first network element to said second network element via the user equipment, and the user equipment wherein said second network element receives ~~includes the~~ said charging identification from the user equipment in a request to setup ~~the a~~ connection in the other one of the application layer network or the transport layer network.

23. (Canceled)

24. (Currently Amended) A system ~~for coordinating charging information in a communications network having a transport layer network, an application layer network and a billing system, the system comprising:~~

~~a user equipment initiating a first connection in the application layer network using a call control protocol and said user equipment initiating a second connection in the transport layer network;~~

a first network element and a second network element, each being adapted to create call records, include a charging identification in ~~their~~ the created call records, and send said call records to said billing system;

means for coordinating charging information using said charging identification included in the call records of said first and second network elements;

means for establishing a first connection to user equipment ~~in-via said-an~~ application layer network of a communications network and a second connection to said user equipment ~~in via said-a~~ transport layer network of the communications network, said first network element being adapted to create the charging identification in one of said application layer network or said transport layer network; and

means for sending said charging identification from said first network element ~~in said one of the application layer network or the transport layer network~~ to the second network element in the other one of the application layer network or the transport layer network.

25. (Currently Amended) The system of claim 24, further comprising a ~~the~~ user equipment, wherein the user equipment is operable to initiate the first connection ~~in the application layer network~~ and the second connection ~~in the transport layer network~~.

26. (Previously Presented) The system of claim 24, wherein the charging identification comprises a tuple or tuple pair.

27. (Currently Amended) The system of claim 24, ~~wherein further comprising an interface between the first and second network elements that is adapted to directly send said charging identification is sent~~ from said first network element to said second network element directly via an interface between the first and second network elements.

28. (Previously Presented) The system of claim 26, wherein the first network element comprises a Gateway GPRS Support Node and the second network element comprises a Call State Control Function.

29. (Currently Amended) The system of claim 25, wherein the first network element is adapted to send said charging identification ~~is sent from the first network element~~ to the second network element via the user equipment, ~~and wherein the second network element is adapted to receive the user equipment includes the said~~ charging identification in a request to set up ~~the a~~ connection in the other one of the application layer network or the transport layer network.

30. (Currently Amended) The system of claim 28, wherein said second network element ~~in said application layer network~~ comprises a Call State Control Function.

31. (Currently Amended) The system of claim 29, wherein said connection ~~in said transport layer network~~ comprises a PDP context.

32. (Currently Amended) The system of claim 25, further comprising said user equipment, wherein said user equipment comprises the first network element, and the user equipment is adapted to provides provide the charging identification to both of the application layer network and the transport layer network.

33-37. (Canceled)

38. (Currently Amended) A network element ~~for use in coordinating charging information, the network element being~~ configured to:

create call records and a charging identification for use in one of an application layer network or a transport layer network ~~for of~~ a communications network having a billing system wherein a first connection is established in the application layer network by a user equipment using a call control protocol and a second connection is established in the transport layer network ~~by said user equipment~~;

include the charging identification in the call records ~~thereof~~;

send said call records to said billing system; and

send said charging identification from said network element so as to be used by a further network element in the other one of the application layer network or the transport layer network, to enable charging information for the network element and the further network elements element to be coordinated.

39. (Canceled)

40. (New) A method comprising:

creating, in a network element, call records and a charging identification for use in one of an application layer network or a transport layer network of a communications network having a billing system;

including the charging identification in the call records;

sending said call records to said billing system; and

sending said charging identification from said network element so as to be used by a further network element in the other one of the application layer network or the transport layer network, to enable charging information for the network element and the further network element to be coordinated.